

Windows®. Life without Walls™.
Fujitsu recommends Windows 7.

Data Sheet

Fujitsu ESPRIMO Q9000 Desktop PC

The mini with more PC per cm³

ESPRIMO Q9000

A real eye-catcher on your desk and anywhere else. The extremely small and elegant ESPRIMO Q9000. The mini PC combines the performance of a fully equipped Desktop PC, low energy consumption, ENERGY STAR® certification, hardly any noise, a large number of practical connections, such as HDMI, DVI and eSATA and system management functions - all on a CD case footprint with a volume of only 1.6 liters.

An elegant PC for challenging tasks

Eye-catcher on every desk with a modern and exclusive design

- A fully equipped Mini PC weighing only 1.4 kg (1.6 liter volume)

A black shell and a green core

The most energy-efficient computer of our ESPRIMO series reduces your energy consumption

- Intel® mobile technology with power consumption of 19 Watts in idle mode and extended energy management settings

Small, flexible and powerful

Intelligent performance using state-of-the-art Intel technology, high expandability to meet all requirements

- Up to Intel® Core™i5 processor, 4 GB memory and 500 GB hard disk drive

System management

Easy system administration for complex IT infrastructure

- Intel® vPro™ technology and DeskView manageability



Components

Processor	Intel® Core™ i5-560M processor (2 Cores / 4 Threads, 2.66 GHz, 3 MB, Intel® HD Graphics)
	Intel® Core™ i5-520M processor (2 Cores / 4 Threads, 2.40 GHz, 3 MB, Intel® HD Graphics)
	Intel® Core™ i3-380M processor (2 Cores / 4 Threads, 2.53 GHz, 3 MB, Intel® HD Graphics) *
	Intel® Core™ i3-370M processor (2 Cores / 4 Threads, 2.40 GHz, 3 MB, Intel® HD Graphics) *
	Intel® Celeron® processor P4600 (2 Cores / 2 Threads, 2.0 GHz, 2 MB, Intel® HD Graphics)
*Processor only for SMB, education and government	
Operating system	
Operating system	Genuine Windows® 7 Home Basic (EM) 32-bit
	Genuine Windows® 7 Home Premium 64-bit
	Genuine Windows® 7 Professional 32-bit
	Genuine Windows® 7 Professional 64-bit
Operating system compatible	openSUSE Linux
	Genuine Windows Vista®
	Genuine Windows® XP
Operating system notes	
Microsoft Office 2010 preloaded. Purchase a Product Key to activate a full Microsoft Office 2010 suite. Limited Windows XP support. Microsoft discontinued Windows XP certification on system level.	
Memory modules	1 GB (1 module(s) 1 GB) DDR3, non-ECC, 1066 MHz, PC3-8500, SO DIMM
	2 GB (1 module(s) 2 GB) DDR3, non-ECC, 1066 MHz, PC3-8500, SO DIMM
Hard disk drives (internal)	SSD SATA, 128 GB, 2.5-inch, full disk encryption
	SATA II, 7200 rpm, 160 GB, 2.5-inch, S.M.A.R.T.
	SATA II, 5400 rpm, 500 GB, 2.5-inch
	SATA II, 5400 rpm, 320 GB, 2.5-inch
	SATA, 5400 rpm, 250 GB, 2.5-inch
	SATA, 5400 rpm, 160 GB, 2.5-inch
Hard disk notes	
Supporting NCQ and 3 GBit	
Drives (optional)	
DVD Super Multi Slot-in slim	
Interface add on cards/components (optional)	
WLAN (IEEE 802.11a/b/g/n)	
Bluetooth 2.1	
Base unit	
ESPRIMO Q9000	
Mainboard	
Formfactor	
proprietary	
Chipset	
Intel® QM57	
Processor socket	
rPGA 988A	
Processor quantity maximum	
1	
Memory slots	
2 SO DIMM	
Supported capacity RAM (max.)	
4 GB	
Memory frequency	
1066 MHz	
Memory notes	
Dual channel support. For dual channel performance, a minimum of 2 memory modules have to be ordered. Capacity per channel has to be the same	
In configurations with 4 GB the visible memory may be reduced to approximately 3.5 GB or less (for 32 bit operating systems, depending on system configuration)	
LAN	
10/100/1000 MBit/s Intel® 82577 LM	
Integrated WLAN	
1 (optional)	
BIOS version	
AMI Aptio 4.6	

Mainboard

BIOS features	BIOS Flash EPROM update by software Recovery BIOS Unified Extensible Firmware Interface (UEFI)
Audio codec	Realtek ALC662
Audio features	Support of high-definition audio for S/PDIF output with up to 5.1 channels

I/O controller on board

Serial ATA total	3
Controller functions	Serial ATA II 3 GBit AHCI

Interfaces

Audio: line-in	1
Audio: line-in / microphone	1
Audio: line-out / headphones / SPDIF	1 (optical)
Front audio: headphone	-
USB 2.0 total	6
USB front	2
USB rear	4
VGA	1 (via DVI to VGA-Adapter)
DVI	1
HDMI	1
Ethernet (RJ-45)	1
Kensington Lock support	1
eSATA	1
Interface Module notes	Anytime USB charge functionality

Input device / components

	Optical USB tilt wheel mouse
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Drive bays

Drive bays total	2
2.5-inch bays	1
5.25-inch external bays	1
Drive bay notes	slim slot-in

Graphics on board

Graphics brand name	Intel® HD Graphics
Refresh rate 1024 x 768 (recommended / max.)	75 Hz / -
Refresh rate 1280 x 1024 (recommended / max.)	75 Hz / -
Refresh rate 1600 x 1200 (recommended / max.)	75 Hz / -
TFT resolution (VGA)	1360 x 768 pixel 1440 x 900 pixel 1600 x 900 pixel 1680 x 1050 pixel 1920 x 1080 pixel 1920 x 1200 pixel

Graphics on board

TFT resolution (DVI)	1360 x 768 pixel
	1440 x 900 pixel
	1600 x 900 pixel
	1680 x 1050 pixel
	1920 x 1080 pixel
	1920 x 1200 pixel
TFT resolution (HDMI)	1360 x 768 pixel
	1440 x 900 pixel
	1600 x 900 pixel
	1680 x 1050 pixel
	1920 x 1080 pixel
	1920 x 1200 pixel
Graphics features	Dual display support DirectX 10 OpenGL® 2.1

Electrical values

Operating voltage range	100 V - 240 V (AC Input)
Max. output of single power supply	external

Power consumption

Power consumption note	See white paper Energy Consumption
Link to Energy White Paper	http://docs.ts.fujitsu.com/dl.aspx?id=40068b69-2bd3-45ed-aeab-51281fec00cd

Heat dissipation

Heat dissipation notes	See white paper Energy Consumption
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Noise for standard configuration (HDD, ODD)

Noise emission	According to ISO9296
Noise Operation mode 1: ODD load (Blue angel requirement)	4.4 B / 30 dB(A)
Noise Operation mode 2: HDD load (Blue angel requirement)	3.4 B / 19 dB(A)
Noise Operation mode 3: CPU 90% load (Blue angel requirement)	4.4 B / 31 dB(A)
Noise Operation mode 4: High load	4.4 B / 30 dB(A)
Noise Operation mode 5: Office applications	3.4 B / 19 dB(A)
Idle mode (Blue Angel requirement)	3.4 B / 19 dB(A)
Noise notes / description	Noise for standard configuration CPU, HDD, ODD; A weighted sound power level L _{wad} (in B) / Workplace related A-weighted sound pressure level L _{pAm} (in dB(A)), (bystander position) (ISO9296)

Dimensions / Weight / Environmental

Dimensions (W x D x H)	165 x 168 x 57 mm
Operating position	Backpack solution (optional)
Weight	approx. 1.4 kg
Weight notes	Actual weight may vary depending on configuration
Operating ambient temperature	5 - 35°C

Compliance

Product	ESPRIMO Q9000
Model	MPC-D1007
Germany	Blauer Engel / Blue Angel
Europe	CE Nordic Swan EN 60601-1-2

Compliance

Global	RoHS (Restriction of hazardous substances) WEEE (Waste electrical and electronical equipment) Microsoft Operating Systems (HCT / HCL entry / WHQL) ENERGY STAR® EPEAT® Silver
Compliance link	https://sp.ts.fujitsu.com/sites/certificates/default.aspx

Additional Software

Additional software (preinstalled)	Nero Essentials S (burning software)
Additional software (optional)	Recovery DVD for Windows® Drivers & Utilities DVD (DUDVD) CyberLink PowerDVD BD (playback software for Blu-ray Disc™, only with Blu-ray Disc™ drive / Blu-ray playback is not supported under Windows XP if the system runs on Intel onboard graphics) Nero 9 Essentials XL

Compatibility (references)

	DMI 2.0 PC 2001 WMI 1.5 USB 2.0 SMBIOS
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Manageability

Manageability features	PXE 2.1 Boot code Wake up from S5 (off mode) iAMT 6.0 DeskUpdate Driver management ASF 2.0 (Alert Standard Format)
Manageability type	DeskView 10
DeskView features	Detailed system inventory management and reports WoL (Wake on LAN) On/Offline remote client management BIOS Management Remote power management System notifications Security Remote Control DeskView Helpdesk Integration
Manageability link	http://ts.fujitsu.com/manageability http://www.altiris.com/fujitsu http://ts.fujitsu.com/solutions/it_infrastructure_solutions/manageability/featurefinder.html

Security

Physical security	Kensington Lock support
System security	Boot sector virus protection Trusted platform module (TPM 1.2)
User security	User and supervisor BIOS password Optional: Access protection via external SmartCard reader

Packaging information

Packaging dimension	395x198x284 mm
Max. quantity / pallet	48
Material - Weight (g) Carton	670g
Material - Weight (g) EPS / PS	appr. 10 g
Material - Weight (g) PE	appr. 125 g
Packaging notes	printed user documentation is bleached in chlorin free process

Warranty

Standard Warranty	1 year
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Warranty	
Service level	Bring-In / On-Site Service (depending on country)
Maintenance and Support Services - the perfect extension	
Recommended Service	5x9, Response Time: Next Business Day
Spare Parts availability	5 years
Service Weblink	http://ts.fujitsu.com/Supportservice



More information

Fujitsu platform solutions

In addition to Fujitsu ESPRIMO Q9000, Fujitsu provides a range of platform solutions. They combine reliable Fujitsu products with the best in services, know-how and worldwide partnerships.

Dynamic Infrastructures

With the Fujitsu Dynamic Infrastructures approach, Fujitsu offers a full portfolio of IT products, solutions and services, ranging from clients to datacenter solutions, Managed Infrastructure and Infrastructure as-a-Service. How much you benefit from Fujitsu technologies and services depends on the level of cooperation you choose. This takes IT flexibility and efficiency to the next level.

Computing Products

www.fujitsu.com/global/services/computing/

Software

www.fujitsu.com/software/

More information

Learn more about Fujitsu ESPRIMO Q9000, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website.
<http://ts.fujitsu.com/ESPRIMO>

Fujitsu green policy innovation

Fujitsu Green Policy Innovation is our worldwide project for reducing burdens on the environment. Using our global know-how, we aim to resolve issues of environmental energy efficiency through IT. Please find further information at <http://www.fujitsu.com/global/about/environment/>



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